

Description of Additional Supplementary Files

Pole-to-pole LOV-domain receptor diversity points to an early stramenopile origin and global dominance of Aureochromes

File name: Supplementary Data 1

Description: Sequence IDs corresponding to the 'Sea of Change' dataset (<https://genome.jgi.doe.gov/portal/SeaofArctiOcean/SeaofArctiOcean.info.html>) of LOV-domain sequences with their taxonomic origin, station code, and domains included from the 'Sea of Change: Eukaryotic Phytoplankton Communities in the Arctic Ocean' metatranscriptome.

File name: Supplementary Data 2

Description: Sequence IDs (EukProt v3 database: <https://evocellbio.com/eukprot/>) of AUREO sequences used for the phylogenetic and gene duplication analysis in this study with their assigned taxonomy and the AUREO isoform categorization.

File name: Supplementary Data 3

Description: Sequence IDs of AUREO sequences used for the Profileview analysis with their taxonomic origin, location origin, AUREO isoform, and sequence origin.

File name: Supplementary Data 4

Description: Amino acid sequences used in this study not publicly available elsewhere.